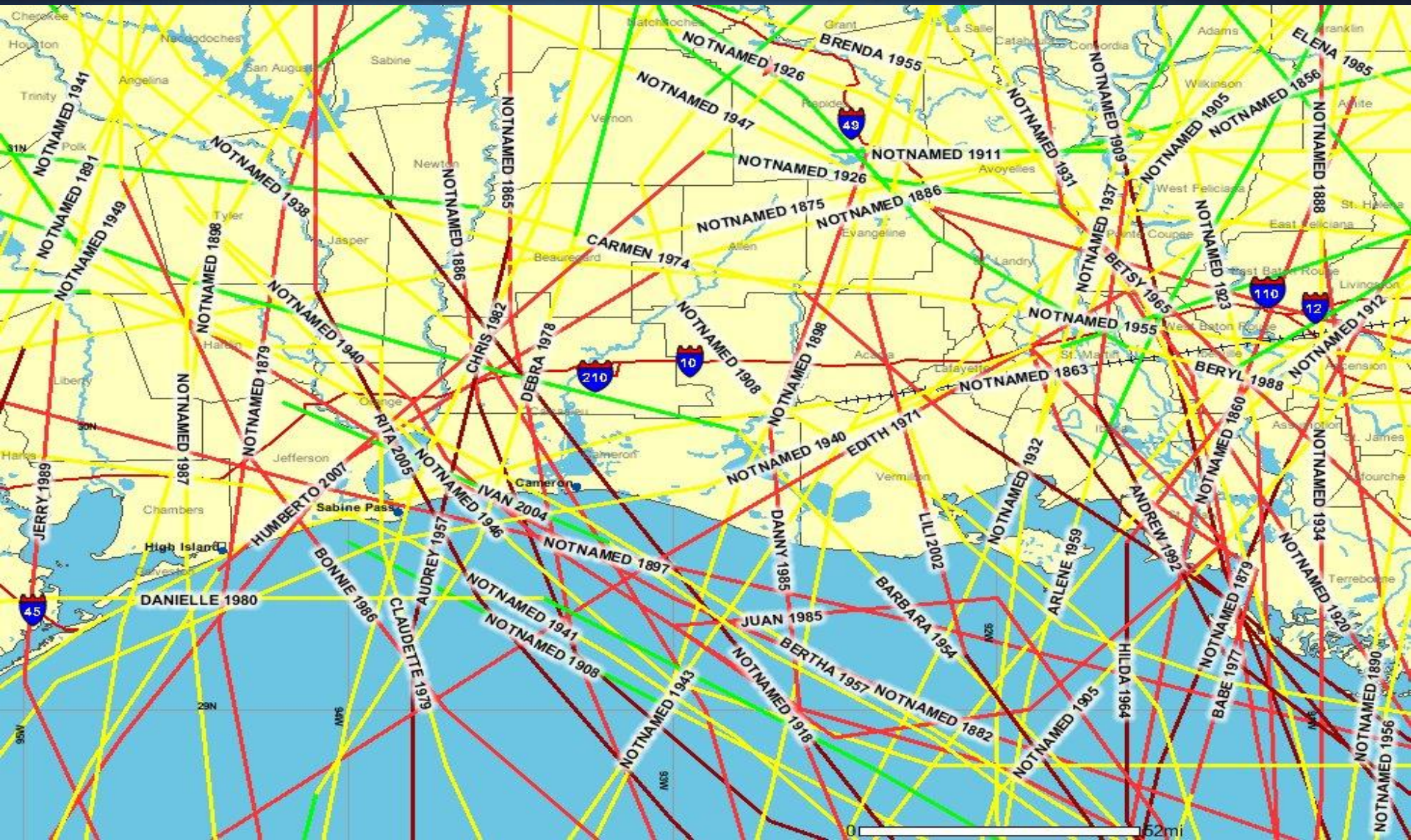
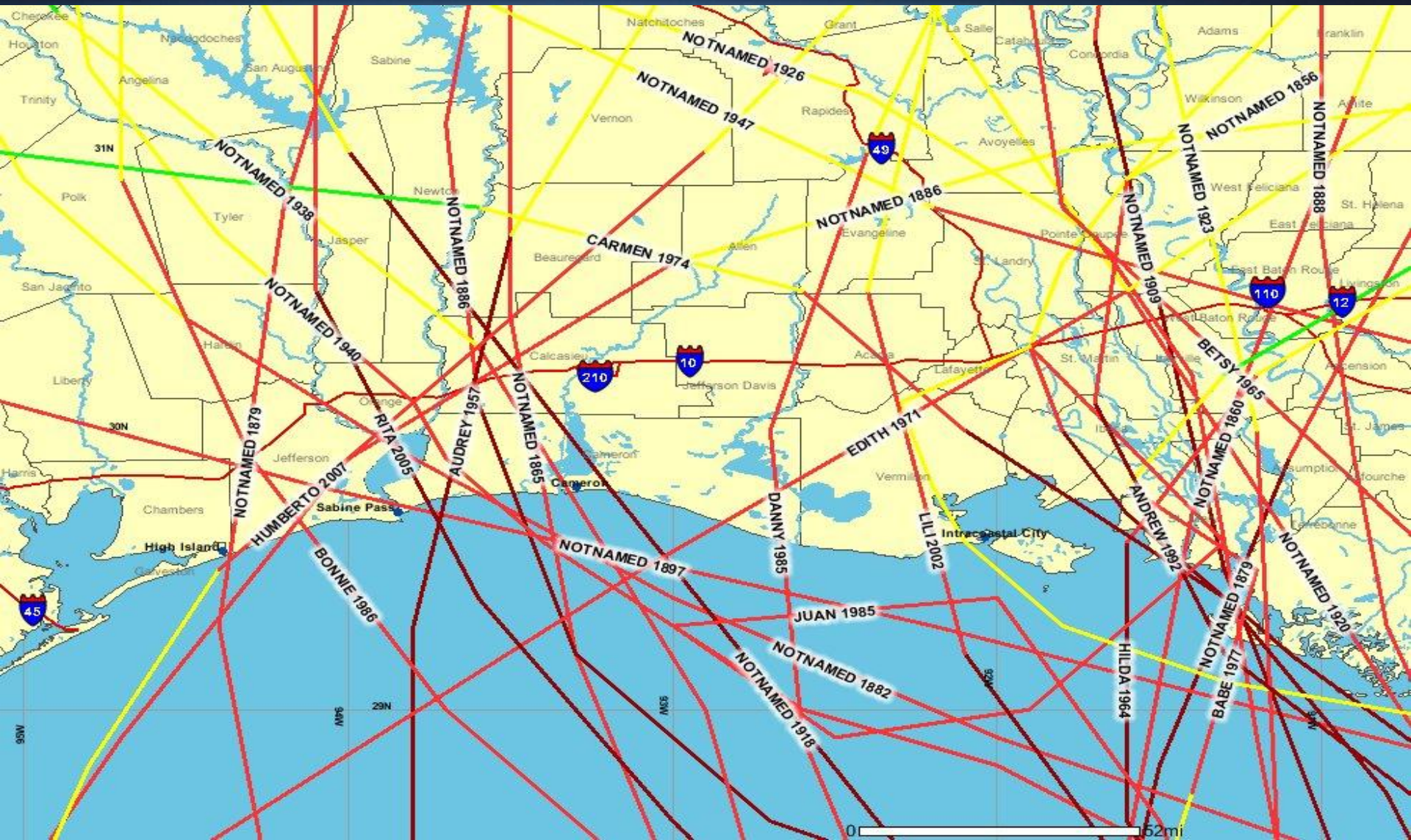


# ***Tropical Storms & Hurricanes Affecting SW Louisiana & SE Texas since 1851***



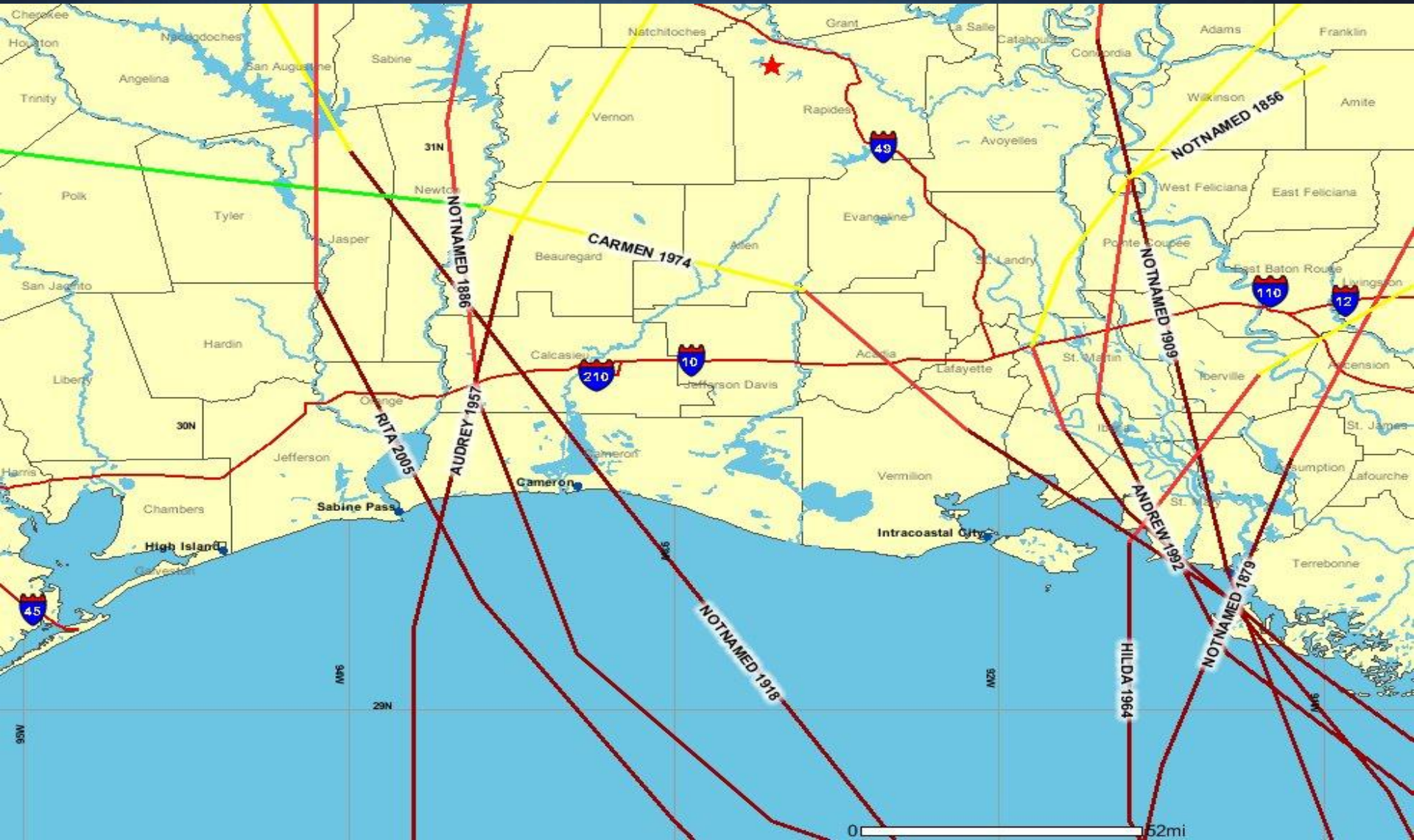


# ***Hurricanes Affecting SW Louisiana & SE Texas since 1851***





Map of Louisiana showing major highways and named roads. The map includes labels for various parishes and cities. Key roads are highlighted in red and labeled with names and years: NOTNAMED 1886, CARMEN 1974, RITA 2005, AUDREY 1957, NOTNAMED 1918, NOTNAMED 1856, NOTNAMED 1909, ANDREW 1992, NOTNAMED 1873, and HIL DA 1964. Major highways are shown in blue with their respective shields (45, 10, 210, 49, 110, 12). A scale bar at the bottom right indicates 0 to 62 miles.



# *SW Louisiana Hurricane History*

**Hurricane Ike: September 12-13, 2008.** Very large category two hurricane that made landfall at Galveston Texas. Storm surge values were 12-16 feet across western Cameron parish, which was slightly higher than that observed during Rita only three years earlier. Across eastern Cameron, Vermilion, Iberia, and St. Mary parishes, storm surge values ranged between 8-12 feet.

**Hurricane Gustav: September 1, 2008.** Large category two hurricane that made landfall across Terrebonne parish in Southeast Louisiana, but continued northwest across the Atchafalaya Basin, spreading category one hurricane force winds across South Central Louisiana. Due to the storm making landfall east of the region, storm surge values were only 4-5 feet across St. Mary, Iberia, and Vermilion parishes.

**Hurricane Humberto: September 12-13, 2007.** Very small category one hurricane that made landfall between High Island and Sea Rim State Park in Jefferson county, Texas. Due to the small size, storm surge values were only 3-4 feet across central and western Cameron parish.

**Hurricane Rita: September 23-24, 2005.** Very large category three hurricane that made landfall between Johnson's Bayou and Sabine Pass, affected most of Southwest Louisiana and Southeast Texas with hurricane force winds. Storm surge values across Southwest Louisiana were 12-18 feet across most of Cameron parish, and 10-12 feet across most of Vermilion parish, which was the worst storm surge flooding recorded during the last 150+ years of record keeping.

**Hurricane Lili: October 3, 2002.** Category one hurricane that made landfall at Intracoastal City in Vermilion Parish. Storm surge values were 10-12 feet across Iberia and St. Mary parishes.

**Hurricane Andrew: August 26, 1992.** Category three hurricane that made landfall west-southwest of Morgan City in St. Mary parish. Storm surge values were around 8 feet across Iberia and St. Mary parishes, which were lower than expected due to Andrew paralleling the coast at landfall.

**Hurricane Bonnie: June 26, 1986.** Very small category one hurricane that made landfall between High Island and Sea Rim State Park in Jefferson County. Storm surge values were 3-4 feet across central and western Cameron Parish.

**Hurricane Juan: October 28-30, 1985.** Very large hybrid-type category one hurricane which approached Vermilion parish on the 28<sup>th</sup> but stayed offshore to make a cyclonic loop, eventually making landfall in St. Mary parish. Juan made another cyclonic loop inland across South Central Louisiana, moving offshore to affect Southeast Louisiana and the Florida Panhandle. Storm surge values fluctuated between 3-6 feet across Vermilion, Iberia, and St. Mary parishes.

**Hurricane Danny: August 15, 1985.** Category one hurricane that made landfall between Grand Chenier in Cameron parish and Pecan Island in Vermilion parish. Storm surge values ranged 5-8 feet across Vermilion, Iberia, and St. Mary parishes.

**Hurricane Carmen: September 8, 1974.** Category three hurricane that made landfall across St. Mary parish, spread category two conditions across Iberia parish, with category one conditions across Vermilion, Lafayette and Acadia parishes. Storm surge ranged 4-6 feet across Iberia and St. Mary parishes.

**Hurricane Edith: September 16, 1971.** Category two hurricane at landfall across Cameron and Vermilion parishes, and spread category one conditions across Iberia, St. Mary, Lafayette, Acadia, and St. Martin Parishes. Storm surge values of 6 feet at Sabine Pass, with 8+ feet across Cameron and Vermilion parishes.

**Hurricane Hilda: October 3-4, 1964.** Category three hurricane landfall across St. Mary parish, where 6+ foot storm surge occurred at the Atchafalaya River. Further west, storm surge ranged between 3-5 feet across Iberia and Vermilion parishes.

**Hurricane Carla: September 10-12, 1961.** Extremely large category four hurricane (circulation covered the entire Gulf of Mexico at one point) made landfall across the Central Texas coast. Due to the large size of the storm, storm surge values of 7-8 feet were common across Southwest Louisiana.

**Hurricane Audrey: June 26-27, 1957.** Very large and deadly category four hurricane, with a 40 mile wide eye, made landfall from Sabine Pass to Cameron, and affected most of Southwest Louisiana and Southeast Texas with hurricane force winds. Storm surge values of 10-14 feet occurred across most of Cameron Parish, and 7-10 feet across Vermilion, Iberia, and St. Mary Parishes. Unfortunately, over 500 direct fatalities was attributed to Audrey, mainly across Cameron and Vermilion parishes due to storm surge.



# ***SE Texas Hurricane History***

**Hurricane Ike: September 12-13, 2008.** Very large category two hurricane that made landfall at Galveston Texas. Hurricane force winds were recorded over most of Southeast Texas. However, Ike will be remembered for the record storm surge values (NAVD 88) from 14 feet near Sabine Pass with 11 to 12 feet across Sabine Lake, flooding portions of Bridge City and Orange. Port Arthur was spared the storm surge thanks to its 14-17 foot seawall. However, the remaining southern half of Jefferson county was inundated, with estimated high water marks reaching 18 to just over 19 feet to the south and east of High Island. This is the worst storm surge flooding recorded across this region during the last 150+ years of record keeping. See the Hurricane Ike Story for Southeast Texas on pages 21-22.

**Hurricane Humberto: September 12-13, 2007.** Very small category one hurricane that made landfall between High Island and Sea Rim State Park in Jefferson county, Texas. Due to the small size, storm surge values were 4 to 5 feet across Jefferson county, 3 to 4 feet across Sabine Lake.

**Hurricane Rita: September 23-24, 2005.** Very large category three hurricane that made landfall between Johnson's Bayou and Sabine Pass, affecting the entire Louisiana and Southeast Texas coasts. Hurricane force winds were recorded from Jasper, Kountze, and High Island, Texas eastward into Louisiana. Storm surge values 8 to 10 feet (NAVD 88) across eastern Jefferson and Orange counties in Southeast Texas.

**Tropical Storm Frances: September 9-12, 1998.** Very large tropical storm that made landfall across the Central Texas coast, but the circulation covering the entire northwestern Gulf of Mexico. Every road in Sabine Pass was under water, except Highway 87 right in front of the school. Highway 87 flooded south of Port Arthur to Sabine Pass, and north of Port Arthur to Bridge City. Many locations further inland across western Jefferson county was also under water. The extensive flooding was due to tides running between 3½ to near 5 feet for 2½ days.

**Hurricane Chantal: August 1, 1989, Hurricane Jerry: October 15, 1989.** Very small category one hurricanes that made landfall at High Island and Galveston respectively. Storm surge values were 4-5 feet across Jefferson county.

**Hurricane Bonnie: June 26, 1986.** Very small category one hurricane that made landfall between High Island and Sea Rim State Park in Jefferson County. Storm surge values were 6-7 feet across Jefferson county.

**Hurricane Alicia: August 17-18, 1983.** Small Category three hurricane that made landfall across the Upper Texas coast just southwest of Galveston near Freeport. Storm surge values were just over 5 feet at Sabine Pass with higher values likely across Coastal Western Jefferson county.

**Hurricane Carla: September 10-12, 1961.** Extremely large category four hurricane (circulation covered the entire Gulf of Mexico at one point) made landfall across the Central Texas coast. Due to the large size of the storm, storm surge values of 7 to 8 feet were common across coastal Jefferson and Orange Counties.

**Hurricane Audrey: June 26-27, 1957.** Very large category four hurricane, with a 40 mile wide eye, made landfall from Sabine Pass to Cameron. Audrey affected the entire Louisiana and Southeast Texas coasts. Storm surge values of 8 to 10 feet were recorded across Eastern Jefferson and Orange Counties in Southeast Texas.

**Storm #2: August 17, 1915.** Very large category four hurricane made landfall across western Galveston Island Texas. Due to the large size of the storm, storm surge of 9 to 11 feet were common across coastal areas of Jefferson and Orange counties.

**Storm #1: September 8-9, 1900.** Category four hurricane made landfall across western Galveston Island Texas. Storm surge for Jefferson and Orange counties not available.

# ***Hurricane History of Southwest Louisiana & Southeast Texas***

Additional information can be found on our Tropical page:

<http://www.srh.noaa.gov/lch/?n=tropic>

## ***Southwest Louisiana Hurricane Guide***

<http://www.srh.noaa.gov/images/lch/tropical/LCHHurricaneGuide-SWLA.pdf>

## ***Southeast Texas Hurricane Guide***

<http://www.srh.noaa.gov/images/lch/tropical/LCHHurricaneGuide-SETX.pdf>



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